MATES Computer Science

Senior Capstone Project Bi-Weekly Progress Report

Project Title	Bookish
Team Members	Malia Porter & Caleigh Wlazlowski
Dates Covered by Report	2/26/24 - 3/8/24
Link to Github	https://github.com/caleighwlaz/Bookish

1. **Summary of Project**

Our project is to create a website for readers to track their reading history, view book and user leaderboards, and possibly get recommendations. The site will allow readers to set goals to reach and add books to their reading list. Users will also be able to keep track of their reading activity and discover new books to read. Through the front-end (Malia), HTML, CSS, and JavaScript will be used to create the website and the design elements. Through the back-end (Caleigh), Python, JavaScript, and MySQL will be used to calculate statistics for each user (such as average pages per book and average pages read per week), manage databases, and allow users to search for books on the website and add them to their lists. The concept of our website is similar to Goodreads with additional features such as book and user leaderboards.
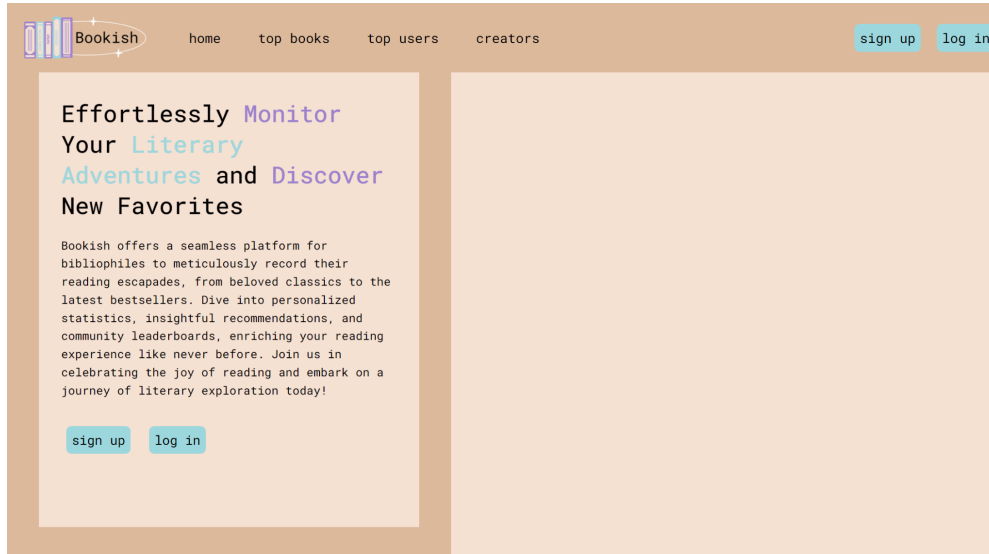
2. **Summary of Progress this Period**

We both continued completing courses on Codecademy. Caleigh found book datasets and uploaded book covers to VS Code. Malia finished coding the layout of the homepage using Flexbox and Grid.

3. **Detailed Progress this Period, separated by Team Member**

Malia	Caleigh
● continued completing courses on Codecademy 　○ "Intermediate CSS: Layout and Positioning" 　○ "Layout with Flexbox" ● created website grid to position the header, left, and right sides ● positioned header elements using Flexbox ● used relative units (rem and fr) to allow for responsive design ● added basic transitions for buttons when hovered and active ● installed Live Server and Live Preview to view changes instantly	● continued working on "Back-End Engineer" career path 　○ Introduction 　○ Setting up a Dev Environment 　○ review of Web Development Fundamentals (HTML and CSS) 　○ started Javascript Syntax 　○ **going to work with path and work on web app at the same time** ● found lots of book datasets with the image links I wanted but none of the links would work or they were sketchy ● found another dataset that came with over 32,000 images of book covers in separate files (which I think might work better than the image links anyways, but we'll see) 　○ found on Kaggle 　○ columns going to be used: name, author, format (maybe), isbn, category, img_paths 　○ irrelevant columns: image (link), book_depository_stars (rating), price, currency, old_price ● connected Github with VS Code ● taught myself how to use Github through VS Code, which took a bit ● uploading book covers to VS Code by each of their individual folders because apparently you can't commit over 10,000 things at a time 　○ uploaded first 10 folders of book covers and committed but forgot to push until after all 10 folders were committed

Bookish   home   top books   top users   creators   sign up   log in

Effortlessly Monitor Your Literary Adventures and Discover New Favorites

Bookish offers a seamless platform for bibliophiles to meticulously record their reading escapades, from beloved classics to the latest bestsellers. Dive into personalized statistics, insightful recommendations, and community leaderboards, enriching your reading experience like never before. Join us in celebrating the joy of reading and embark on a journey of literary exploration today!

sign up   log in

```css
1   * {
2       box-sizing: border-box;
3       margin: 0;
4       padding: 0;
5       font-size: 16px;
6   }
7
8   body {
9       font-family: "Roboto Mono", monospace;
10      font-optical-sizing: auto;
11      font-weight: 400;
12      font-style: normal;
13      background-color: ▢hsl(22, 67%, 90%);
14  }
15
16  .grid-container {
17      display: grid;
18      grid-template-areas: "header header"
19                           "intro .";
20      grid-template-rows: 1fr 7fr;
21      grid-template-columns: 4fr 5fr;
22      height: 100vh;
23      width: 100vw;
24  }
25
26  header {
27      grid-area: header;
28      background-color: ▢hsl(27, 51%, 75%);
29      display: flex;
30      align-items: center;
31      justify-content: space-between;
32  }
```

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4     <title>Bookish</title>
5
6     <!-- Meta -->
7     <meta name="keywords" content="books, reading, readers">
8     <meta name="description" content="Web Application for Readers to Track Their Reading Process">
9     <meta name="author" content="Caleigh Wlazlowski, Malia Porter">
10    <meta name="viewport" content="width=device-width, initial-scale=1.0">
11
12    <!-- Fonts -->
13    <link rel="preconnect" href="https://fonts.googleapis.com">
14    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
15    <link href="https://fonts.googleapis.com/css2?family=Roboto+Mono:ital,wght@0,100..700;1,100..700&display=swap" rel="stylesheet">
16
17    <!-- CSS -->
18    <link rel='stylesheet' type='text/css' href='index.css'>
19  </head>
20  <body>
21    <div class="grid-container">
22      <header role="banner">
23        <div class="left-header">
24          <img src="bookish-logo.png" alt="Bookish Logo" id="logo">
25          <!--<nav role="navigation">-->
26          <a href="index.html" id="home">home</a>
27          <a href="#" id="top-books">top books</a>
28          <a href="#" id="top-users">top users</a>
29          <a href="#" id="creators">creators</a>
30          <!--</nav>-->
31        </div>
32        <div class="right-header">
33          <a href="#">
34            <button type="button">sign up</button>
35          </a>
36          <a href="#">
37            <button type="button">log in</button>
38          </a>
39        </div>
40      </header>
41      <div class="intro">
42        <h1>Effortlessly <span class="purple-text">Monitor</span> Your <span class="blue-text">Literary Adventures</span>
43        and <span class="purple-text">Discover</span> New Favorites</h1>
44        <p>Bookish offers a seamless platform for bibliophiles to meticulously record their reading escapades,
45        from beloved classics to the latest bestsellers. Dive into personalized statistics, insightful recommendations,
46        and community leaderboards, enriching your reading experience like never before.
47        Join us in celebrating the joy of reading and embark on a journey of literary exploration today!</p>
48        <a href="#">
49          <button type="button">sign up</button>
50        </a>
51        <a href="#">
52          <button type="button">log in</button>
53        </a>
54      </div>
55    </div>
56  </body>
57  </html>
```
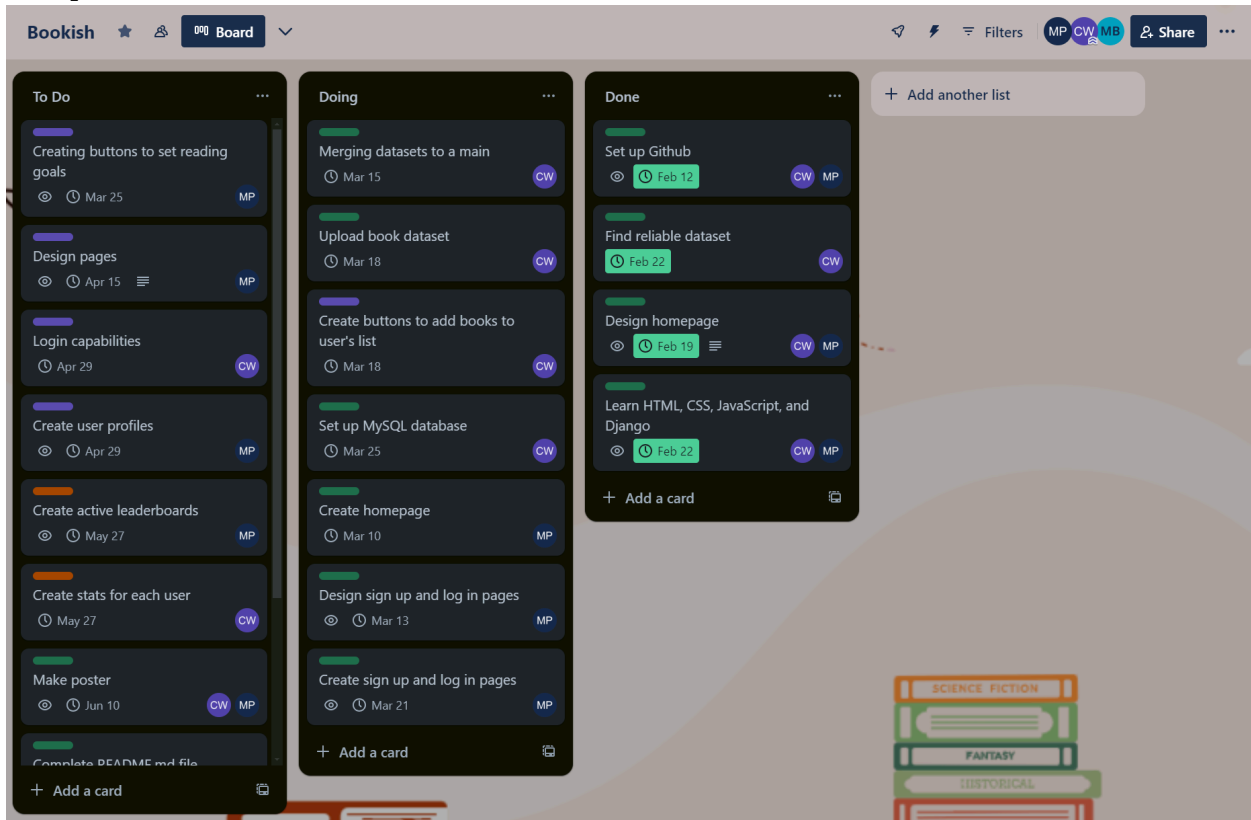
```css
34  .left-header {
35      display: flex;
36      align-items: center;
37      gap: 3.5rem;
38      margin-left: 1rem;
39      flex-shrink: 0;
40  }
41
42  .right-header {
43      display: flex;
44      align-items: center;
45      gap: 1.5rem;
46      margin-right: 1rem;
47      margin-left: 2rem;
48      flex-shrink: 0;
49  }
50
51  .intro {
52      grid-area: intro;
53      border-right: 3rem solid ▢hsl(27, 51%, 75%);
54      border-left: 3rem solid ▢hsl(27, 51%, 75%);
55      border-bottom: 3rem solid ▢hsl(27, 51%, 75%);
56      padding: 5%;
57  }
58
59  #logo {
60      height: 5rem;
61      width: auto;
62  }
63
64  button {
65      background-color: ▢hsl(188, 51%, 75%);
66      border: transparent;
67      font-family: "Roboto Mono", monospace;
68      border-radius: 0.5rem;
69      font-size: 1.25rem;
70      padding: 0.5rem;
71  }
72
73  button:hover {
74      background-color: ▢hsl(262, 50%, 75%);
75      transition: 1s;
76  }
77
78  button:active {
79      text-decoration: underline;
80  }
81
82  a {
83      color: ▢black;
84      text-decoration: none;
85      font-size: 1.25rem;
86  }
87
88  .intro h1,
89  .intro span {
90      font-size: 2.2rem;
91      font-weight: 450;
92  }
```

```css
94   .intro h1 {
95       padding: 0.25rem 0 1.5rem;
96   }
97
98   .intro p {
99       font-size: 1.1rem;
100      padding-bottom: 2rem;
101      line-height: 1.7rem;
102  }
103
104  .intro button {
105      font-size: 1.2rem;
106      padding: 0.5rem;
107      margin: 0.5rem;
108  }
109
110  .purple-text {
111      color: ▢hsl(262, 44%, 66%);
112  }
113
114  .blue-text {
115      color: ▢hsl(188, 51%, 75%);
116  }
```

4. **Difficulties Encountered this Progress Period**

Malia	Caleigh
- had trouble creating grid - was using grid-template to define rows and columns together, but it wasn't working with grid-template-areas - used grid-template-rows and grid-template-columns to define them separately - span elements aren't inheriting font-size from h1 - had to explicitly include span in rule - had to turn on autosave for Live Server to work	- tried to upload book covers to Google Drive (so I could work on my home computer), but it took approximately 5 hours to upload only half - files uploaded perfectly fine to store locally on school computer, so I made copies of the files into the VS Code on the school computer - problems with Github in VS Code - Python interpreter was not showing up but was very clearly installed (ended up working) - branches and files not showing up (ended up not loading properly and getting fixed) - not letting me commit (needed to do "git config"s with user.name and user.email because I forgot to the first time) - uploading a folder of book covers at a time into VS Code because you can't commit over 10,000 things at once - learned that I have to commit and push in order for the changes to be saved in Github

5. **Updated Trello Board and Discussion**

"Merging datasets to a main" was **added** because there needed to be a step between "Find reliable dataset" and "Upload book dataset." Caleigh is currently working on this, so the card was created in **Doing**. "Create buttons to add books to user's list" was moved to **Doing** because Caleigh wants to start this during the next sprint. "Upload book dataset" was extended to March 18 because "Merging datasets to a main" needs to be done before that, and the original due date was March 11.

6. **Tasks to Be Worked on in Next Progress Period**

Malia	Caleigh
- create media queries and minimum dimensions for homepage to allow easier viewing on mobile - add hover and active effects for links on homepage - design and create sign up and log in pages - learn JavaScript on Codecademy	- finish uploading book covers to VS Code and Github - continue "Back-End Engineer" career path on Codecademy - learn more of SQL - merge main dataset with new dataset found - might use v-lookup or through Python or SQL, not sure yet - change img paths to actual path

	- upload main book dataset to website - attempt to set up MySQL database - attempt to create buttons to add books to user's list - assuming that the dataset uploads properly before next sprint

7. **Additional Information**